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AMENDMENTS TO THE CLAIMS

SUB B17

1. (CURRENTLY AMENDED)   An image encrypting method, comprising:

a first process of inputting an image by reading an image file expressing the image;

a second process of dividing said image file into portion image data of a predetermined unit;

a third process of generating information incidental to said portion image data, said incidental information including boundary information which expresses <u>a</u> boundary dividing respective said portion image data; and

a fourth process of encrypting <u>every</u> said portion image data <u>to provide</u> <u>every said portion image data with security so that unauthorized access to the</u> <u>portion image data cannot be executed without using the incidental</u> <u>information</u>, wherein image-handling of said portion image data is performed on the basis of said incidental information.

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2. (CURRENTLY AMENDED)   A <u>The</u> image encrypting method according to claim 1, further comprising: a fifth process of generating an encrypted image

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file from encrypted portion image data generated in said fourth process and

said incidental information generated in said third process.

3. (CURRENTLY AMENDED) ~~An~~ The image encrypting method

according to claim 2, wherein said encrypted image file includes a plurality of

marking means, each of said marking means being attached to respective said

encrypted portion image data so as to identify respective boundaries between

said encrypted portion image data in said encrypted image file.

4. (CURRENTLY AMENDED) ~~An~~ The image encrypting method

according to claim 1, wherein said incidental information is encrypted, and an

encrypted image file including encrypted portion image data and encrypted

incidental information is generated in said fourth process.

5. (CURRENTLY AMENDED) ~~An~~ The image encrypting method

according to claim 4, wherein said incidental information includes each

position information of respective said encrypted portion image data in said

encrypted image file and each size information of respective said encrypted

portion image data.

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6. (CURRENTLY AMENDED) An image encrypting device, comprising:

inputting means which inputs an image by reading an image file expressing the image;

image portion unit dividing means which divides said image file into portion image data of a predetermined unit;

encrypting means which encrypts said portion image data to prevent unauthorized access to said portion image data;

identifier generating means which generates information incidental to said portion image data, said incidental information which expresses a boundary dividing respective said portion image data; and

file generating means which generates an image file on the basis of said portion image data encrypted by said encrypting means and said incidental information generated by said identifier generating means,

wherein image-handling of said portion image data is performed on the basis of said incidental information.

7. (CURRENTLY AMENDED) An The image encrypting device according to claim 6, wherein the image file generated by said generating means is an encrypted image file.

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8. (CURRENTLY AMENDED) ~~An~~ The image encrypting device according to claim 7, wherein said encrypted image file includes a plurality of marking means, each of said marking means being attached to respective encrypted portion image data so as to identify respective boundaries between said encrypted portion image data in said encrypted image file.

9. (CURRENTLY AMENDED) ~~An~~ The image encrypting device according to claim 6, wherein said encrypting means encrypts said incidental information, and said file generating means generates the image file on the basis of said portion image data encrypted by said encrypting means and said incidental information encrypted by said encrypting means.

10. (CURRENTLY AMENDED) ~~An~~ The image encrypting device according to claim 9, wherein said incidental information includes each position information of respective encrypted portion image data in said encrypted image file and each size information of respective encrypted portion image data.

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11. (CURRENTLY AMENDED) A recording medium on which are recorded image encrypting procedures, comprising:

a first step of inputting an image by reading an image file expressing the image;

a second step of dividing said image file into portion image data of a predetermined unit;

a third step of generating information incidental to said portion image data, said incidental information including boundary information which expresses a boundary dividing respective said portion image data;

a fourth step of encrypting every said portion image data to provide every said portion image data with security so that unauthorized access to the portion image data cannot be executed without using said incidental information; and

a fifth step of image-handling image data on the basis of said incidental information.

12. (CURRENTLY AMENDED) A The recording medium on which are recorded image encrypting procedures according to claim 11, further comprising: a sixth step of generating an encrypted image file from encrypted

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portion image data generated in said fourth ~~process~~ <u>step</u> and said incidental information generated in said third ~~process~~ <u>step</u> .

13. (CURRENTLY AMENDED) ~~A~~ <u>The</u> recording medium on which are recorded image encrypting procedures according to claim 12, wherein said encrypted image file includes a plurality of marking means, each of said marking means being attached to respective said encrypted portion image data so as to identify respective boundaries between said encrypted portion image data in said encrypted image file.

14. (CURRENTLY AMENDED) ~~A~~ <u>The</u> recording medium on which are recorded image encrypting procedures according to claim 11, wherein said incidental information is encrypted, and an encrypted image file including encrypted portion image data and encrypted incidental information is generated in said fourth step.

15. (CURRENTLY AMENDED) ~~A~~ <u>The</u> recording medium on which are recorded image encrypting procedures according to claim 14, wherein said incidental information includes each position information of respective said

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encrypted portion image data in said encrypted image file and each size information of respective said encrypted portion image data.

16. (CURRENTLY AMENDED) A recording medium on which an encrypted image file is recorded, said encrypted image file being generated by:

a first process of inputting an image by reading an image file expressing the image;

a second process of dividing said image file into portion image data of a predetermined unit;

a third process of generating information incidental to said portion image data, said incidental information including boundary information which expresses a boundary dividing respective said portion image data; and

a fourth process of encrypting, per predetermined unit, said portion image data which has been divided into said predetermined unit to prevent unauthorized access to said portion image data.

17. (CURRENTLY AMENDED) A The recording medium on which an encrypted image file is recorded according to claim 16, said encrypted image file being generated by a fifth process of generating said encrypted image file

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from encrypted portion image data generated in said fourth process and said incidental information generated in said third process.

18. (CURRENTLY AMENDED) A The recording medium on which an encrypted image file is recorded according to claim 17, wherein said encrypted image file includes a plurality of marking means, each of said marking means being attached to respective said encrypted portion image data so as to identify respective boundaries between said encrypted portion image data in said encrypted image file.

19. (CURRENTLY AMENDED) A The recording medium on which an encrypted image file is recorded according to claim 16, wherein said incidental information is encrypted, and said encrypted image file including encrypted portion image data and encrypted incidental information is generated in said fourth process.

20. (CURRENTLY AMENDED) A The recording medium on which an encrypted image file is recorded according to claim 19, wherein said incidental information includes each position information of respective said encrypted

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portion image data in said encrypted image file and each size information of

respective said encrypted portion image data.